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Comminuting Machine

BACKGROUND OF THE INVENTION

1.   Field of the Invention

The present invention relates to a comminuting machine comprising a closed working cylinder, having comminution holes and comprised of material with inherent stiffness, and comprising tools, arranged within the working cylinder and rotating relative to the working cylinder. The tools are seated on a shaft coaxial to the working cylinder and have vanes which revolve at a spacing of at most the diameter of the comminution holes practically contactless relative to the working cylinder and are slanted with their outer edges counter to the relative rotational direction. A machine housing which is connected to a channel system between a feed channel and a removal channel is provided.

2.   Description of the Related Art

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SUMMARY OF THE INVENTION

It is therefore an object of the present invention to further develop the known comminution machines, which are known under the term granulating friction devices, such that, on the one hand, the installation in a processing line is possible and, on the other hand, a fast and problem-free exchange of working cylinder and tools is made possible.

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This object is solved according to the invention in that the orientation of the shaft and the axial orientation of the working cylinder extend so as to deviate from a vertical line and that an end face opening of the working cylinder is connected to the feed channel and the lower cylinder half of the working cylinder is connected to the removal channel, and in that the other end face opening of the working cylinder is closed by a freely accessible lid, wherein the diameter of this end face opening is at least as large as the greatest diameter of the working cylinder, and in that the shaft, extending from the side of the feed channel, extends at most to the inner wall of the lid but does not penetrate it.